

ABSTRACT OF THE DISCLOSURE

A mining member designed as a cutting roller for a continuously operating surface miner for mining mineral raw materials of high strength. The roller body is equipped for this purpose with mini-disk bits of identical design. Since different conditions occur over the entire width of the roller 5 during the separation of the material from the soil, the roller body is designed correspondingly, and the arrangement of the mini-disk bits is adapted to these conditions. The mini-disk bits in the edge areas are placed at a greater density than are the mini-disk bits (7) in the middle area. In addition, mini-disk bits are directed obliquely toward the outside as free-cutting bits at the two outer edges 10 of the cutting roller. The height of the mini-disk bits is selected to be such that their individual virtual rolling paths together form a virtual cutting roller body, which comprises a middle cylinder, which is joined on both sides by outwardly tapering frusta. This solution is associated with the advantages that more mini-disk bits are available per unit area in the critical edge areas for separating the material and for cutting the roller free, and the cutting height H_{Schn} is smaller there.